

## **Key Definitions**

**Hazardous air pollutants (HAPs)** means any air pollutant listed in or pursuant to Section 112(b) of the Act. HAPs are also called air toxics. The five plating and polishing metal HAPs are listed in Section 112(b).

**Plating and polishing metal HAPs** means compounds of any of the following metals: cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form, with the exception of lead. Any material that does not contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1% by weight and does not contain manganese in amounts greater than or equal to 1.0% by weight is not considered to be a plating and polishing metal HAP.

**Electrolytic plating** means a process that uses or emits any of the plating and polishing metal HAPs in which metallic ions in a tank bath are reduced to form a metal coating on or to remove a metal coating from the surface of parts or products using electrical energy.

**Non-electrolytic plating** means a process that uses or emits any of the plating and polishing metal HAPs in which metallic ions in a tank bath are reduced to form a metal coating at the surface of a catalytic substrate without the use of external electrical energy.

**Dry mechanical polishing** means a process used for removing defects from or smoothing the surface of finished metals or formed products after electroplating with any of the plating and polishing metal HAPs using hard-faced abrasive wheels or belts and where no liquids or fluids are used to trap the removed metal particles.

**Control system means** the combination of a capture system and a control device. The overall control efficiency of any control system is a combination of the ability to capture the air emissions (i.e., the capture efficiency) and the control device efficiency.

**Capture system** means the collection of components used to capture gases and fumes released from one or more emission points and then to transport the captured gas stream to a control device. A capture system may include, but is not limited to, the following components as applicable to a given capture system design: duct intake devices, hoods, enclosures, ductwork, dampers, manifolds, plenums, and fans.

**Control device** means equipment used to collect or reduce the quantity of a pollutant that is emitted to the air. The control device receives emissions that are transported from the process by the capture system.

**Deviation** means the failure to meet a requirement or obligation established in this regulation, which can include, at minimum, the following:

- Equipment standards,
- Management practices,
- Operating and maintenance requirements, or
- Permit conditions.

**Existing source** means a plating and polishing source for which the owner or operator (O/O) commenced construction or reconstruction of the source on or before March 14, 2008.

**New source** means a plating and polishing source for which the owner or operator (O/O) commenced construction or reconstruction of the source after March 14, 2008.

